

Tangenarchopsis, a New Replacement Name for the Preoccupied *Tangiopsis* (Trematoda: Digenea: Hemiuroidea: Derogenidae)

Misako Urabe^{1,3} and Takafumi Nakano²

¹ Department of Ecosystem Studies, School of Environmental Science, The University of Shiga Prefecture,
2500 Hassaka-cho, Hikone, Shiga 522-8533, Japan
E-mail: urabe@ses.usp.ac.jp

² Department of Zoology, Graduate School of Science, Kyoto University,
Kitashirakawa Oiwake-cho, Sakyo-ku, Kyoto 606-8502, Japan

³ Corresponding author

(Received 3 August 2018; Accepted 3 October 2018)

<http://zoobank.org/97D26E2B-D608-4F51-BA03-793646691A03>

Tangenarchopsis nom. nov. is herein proposed for the digenean genus *Tangiopsis* Skrjabin and Guschanskaja, 1955 since the latter generic name is preoccupied by the hemipteran genus *Tangiopsis* Uhler, 1901.

Key Words: Platyhelminthes, Insecta, Tropiduchidae, Principle of Homonymy, China.

Introduction

The genus *Tangiopsis* Skrjabin and Guschanskaja, 1955 was established for the derogenid digenean species *Genarchopsis chinensis* Tang, 1951, which was originally described based on Chinese specimens obtained from the gobiid fish *Rhinogobius giurinus* (Rutter, 1897) (currently *R. similis* Gill, 1859; Suzuki *et al.* 2016) (Tang 1951; Skrjabin and Guschanskaja 1955). However, this generic name is preoccupied by the tropiduchid *Tangiopsis* Uhler, 1901 (Insecta: Hemiptera), which was erected along with its monotypic type species *T. tetrastichus* Uhler, 1901 (Uhler 1901). Although the other homonymous *Tangiopsis* Melichar, 1915 was established for the tropiduchid *Tangia kraatzi* Stål, 1859 (type species fixed by original designation) and *Tangia schaumi* Stål, 1859 (Melichar 1915), the Melichar's *Tangiopsis* was already replaced with *Tangella* Metcalf and Bruner, 1930 (Metcalf and Bruner 1930). Accordingly, a new replacement name for the digenean *Tangiopsis* Skrjabin and Guschanskaja is proposed herein.

Genus *Tangenarchopsis* nom. nov

Tangiopsis Skrjabin and Guschanskaja, 1955: 711–712 [non *Tangiopsis* Uhler, 1901 (Insecta: Hemiptera), nec *Tangiopsis* Melichar, 1915 (Insecta: Hemiptera) already replaced with *Tangella* Metcalf and Bruner, 1930]; Yamaguti 1958: 288; Skrjabin and Guschanskaja 1960: 407; Skrjabin and Guschanskaja 1964: 98; Yamaguti 1971: 301; Yamaguti 1975: 76; Tang 1981: 257; Wang 1995: 14, 17; Qiu *et al.* 1999: 391; Gibson 2002: 365.

Type species. *Genarchopsis chinensis* Tang, 1951; fixed by original designation for *Tangiopsis* Skrjabin and Guschanskaja.

Etymology. The replacement generic name is a compound noun, derived from “Tang” and “*Genarchopsis* Ozaki, 1925”, dedicated to the late Professor Chung Chang Tang, who described the type species of the genus. The gender is feminine.

Included species. *Tangenarchopsis chinensis* (Tang, 1951) comb. nov.

Acknowledgments

The authors are grateful to Dr N. I. Yurlova (Institute of Systematics and Ecology of Animals SB RAS) and Dr T. Iwaki (Meguro Parasitological Museum) for providing valuable references.

References

- Gibson, D. I. 2002. Family Derogenidae Nicoll, 1910. Pp. 351–368. In: Gibson, D. I., Jones, A., and Bray, R. A. (Eds) *Keys to the Trematoda: Vol. 1*. CABI Publishing, Wallingford.
Melichar, L. 1915. Monographie der Tropiduchinen (Homoptera). Verhandlungen des naturforschenden Vereines in Brünn 53: 82–226.
Metcalf, Z. P. and Bruner, S. C. 1930. Cuban Fulgorina. 1. The families Tropiduchidae and Acanaloniidae. Psyche 37: 395–424.
Qiu, Z., Li, Q., Zhao, Z., Xiao, Z., and Liu, W. 1999. [Fish-parasitic digeneans and digenean disease]. Pp. 291–506. In: Zhang, J., Qiu, Z., and Ding, X. (Eds) *Parasites and Parasitic Disease of Fishes*. Science Press, Beijing. [In Chinese]
Skrjabin, K. I. and Guschanskaja, L. H. 1955. [Genus *Tangiopsis* Skrjabin et Guschanskaja 1955]. Pp. 711–719. In: Skrjabin, K. I.

- (Ed.) [*Trematodes of Animals and Man*]. *Osnovy Trematodologii. Tom XI.* Izdatel'stvo Akademii Nauk CCCP, Moscow. [In Russian]
- Skrjabin, K. I. and Guschanskaja, L. H. 1960. Classification and general morphological and biological characterization of trematodes of the suborder Hemiurata. P. 407. In: Skrjabin, K. I. (Ed.) *Trematodes of Animals and Man. Essential of Trematodology*. Vol. XVII. Israel Program for Scientific Translations, Jerusalem.
- Skrjabin, K. I. and Guschanskaja, L. H. 1964. Keys to the genera of the subfamily Genarchinae Skrjabin and Guschanskaja, 1955 (XI: 677). P. 98. In: Skrjabin, K. I. (Ed.) *Keys to the Trematodes of Animals and Man*. University of Illinois Press, Urbana.
- Suzuki, T., Shibukawa, K., Senou, H., and Chen, I.-S. 2016. Redescription of *Rhinogobius similis* Gill 1859 (Gobiidae: Gobionellinae), the type species of the genus *Rhinogobius* Gill 1859, with designation of the neotype. Ichthyological Research 63: 227–238.
- Tang, C. C. 1951. Contribution to the knowledge of the helminth fauna of Fukien. 3. Notes on *Genarchopsis chinensis* n. sp. its life-history and biology. Peking Natural History Bulletin 19: 217–223. [In Chinese with English Abstract]
- Tang, Z. [C. C.] 1981. Studies on hemiurid trematodes with descriptions of four new species. *Acta Zoologica Sinica* 27: 254–264. [In Chinese with English Abstract]
- Uhler, P. R. 1901. Some new genera and species of North American Hymenoptera. Proceedings of the Entomological Society of Washington 4: 507–515.
- Wang, Y. 1995. Studies on the later period of the life cycle of *Tangiopsis chinensis* (Trematoda: Hemiuridae). *Acta Parasitologica et Medica Entomologica Sinica* 2: 14–18. [In Chinese with English abstract]
- Yamaguti, S. 1958. *Systema Helminthum. Vol. 1. The Digenetic Trematodes of Vertebrates*. Interscience Publishers, New York, 1575 pp., 106 pls.
- Yamaguti, S. 1971. *Synopsis of Digenetic Trematodes of Vertebrates*. Keigaku Publishing, Tokyo, 1074 pp., 349 pls.
- Yamaguti, S. 1975. *A Synoptical Review of Life Histories of Digenetic Trematodes of Vertebrates: with Special Reference to the Morphology of their Larval Forms*. Keigaku Publishing, Tokyo, Ixiii+590 pp., 219 pls.